

METHOD MEASURING LEVEL OF LIQUID MEDIA AND DEVICE FOR ITS REALIZATION

Patent number: RU2117262
Publication date: 1998-08-10
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Classification:
- international: G01F23/296
- european:
Application number: RU19960124440 19961226
Priority number(s): RU19960124440 19961226

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Abstract of RU2117262

FIELD: measurement technology, systems for automatic control and regulation of parameters of technological process. SUBSTANCE: method lies in formation of first and second probing pulses along two specified directions. Information on value of monitored medium is formed in the form of two sequences of acoustic signals. Device for realization of method has three ultrasonic converters and signal processing circuit determining level of medium. First ultrasonic converter is mounted on horizontal section of first measurement tube. Second and third converters are mounted on walls of second measurement tube. Instability of propagation of probing signal does not influence value of level of medium. EFFECT: enhanced authenticity of measurement results. 2 cl, 2 dwgc

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DERWENT-ACC-NO: 2000-060607

DERWENT-WEEK: 200005

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TITLE: Method measuring level of liquid media and
device for
its realization

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PATENT-ASSIGNEE: VODOKANAL ENTERP[VODOR]

PRIORITY-DATA: 1996RU-0124440 (December 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
RU 2117262 C1	August 10, 1998	N/A
000 G01F 023/296		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
RU 2117262C1	N/A	1996RU-0124440
December 26, 1996		

INT-CL (IPC): G01F023/296

ABSTRACTED-PUB-NO: RU 2117262C

BASIC-ABSTRACT:

NOVELTY - Method lies in formation of first and second probing pulses along two specified directions. Information on value of monitored medium is formed in the form of two sequences of acoustic signals. Device for realization of method has three ultrasonic converters and signal processing circuit determining level of medium. First ultrasonic converter is mounted on horizontal section of first measurement tube. Second and third converters are mounted on walls of second measurement tube. Instability of propagation of probing signal does not influence value of level of medium.

USE - Measurement technology, systems for automatic control and regulation of parameters of technological process.

ADVANTAGE - Enhanced authenticity of measurement results. 2 cl, 2 dwgc

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: METHOD MEASURE LEVEL LIQUID MEDIUM DEVICE

DERWENT-CLASS: S02

EPI-CODES: S02-C06D3;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-047427

